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Montana Oil and Gas STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XIV, No. 9 — September, 1966

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September, 1966, averaged 97,061 barrels daily, a decrease of 475 barrels from the average August production of 97,536.

The nine refineries in state processed 95,202 barrels of crude oil daily for the month of September, 1966 a decrease of 1,631 barrels from the 96,833 barrels processed daily during the month of August, 1966.

During September, 37 wells were completed, 10 oil, 0 gas well and 27 dry holes.

During September, the commission issued 64 permits to drill new wells, an increase of 21 from 43 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING STORAGE, ETC., IN MONTANA

MONTH OF SEPTEMBER, 1966

IN STORAGE SEPTEMBER 1st	
By Producers	329,074
By Transporters	1,001,018
By Refiners	511,606
TOTAL STORAGE	1,841,698
Produced in Montana During Month	2,911,854
Imported During Month	1,959,032
TOTALS	6,712,584
DISPOSITION:	
Refined in Montana	2,856,080
Exported	1,896,313
Used for Fuel or Lost	20,521
TOTAL	4,772,914
IN STORAGE SEPTEMBER 30th	
By Producers	325,553
By Transporters	1,033,165
By Refiners	580,952
TOTAL STORAGE	1,939,670

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1966

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	43,307
Bowdoin	72,690
Bowes	43,237
Cabin Creek	102,528
Cedar Creek	150,156
Cut Bank (Including Reagan)	770,283
Devon	0
Dry Creek	1,925
Elk Basin	143,710
Flat Coulee	1,173
Gold Butte	2,180
Golden Dome	0
Grandview	5,587
Hardin	4,464
Keith Block	308,985
Kevin Sunburst	35,024
Lake Basin	103,667
Middle Butte	2,977
Mt. Lilly	0
Pine	64,557
Plevna	12,696
Utopia	60,413
Whitlash	153,185
Miscellaneous	47,484
TOTAL	2,130,228

Total withdrawals for September, 1965 were 1,963,137 M Cu. Ft.

PRODUCERS REPORT — MONTH OF SEPTEMBER, 1966

Lease	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
2	Ash Creek	5	420	6,000	.....	6,000	.....	420
1	Bannatyne	1	1,388	300	.....	300	.....	1,388
4	Bear's Den	4	1,196	1,487	.....	1,198	.....	1,485
1	Benrud	1	408	2,117	1,940	.....	.....	585
1	Benrud East	1	463	9,131	9,094	.....	.....	500
2	Benrud Northeast	2	801	15,681	15,674	.....	.....	808
1	Berthelote	1	50	118	.....	.....	.....	168
7	Big Wall	25	1,408	13,872	13,486	.....	.....	1,794
5	Blackfoot	8	1,349	4,045	1,727	2,127	.....	1,540
....	Blackfoot East	....	214	.....	.....	.....	.....	214
4	Border	6	.....	1,615	.....	1,615	.....	.....
1	Bowes	59	4,336	15,592	15,268	.....	.....	4,660
2	Bradley	2	203	875	725	.....	.....	353
....	Brady	....	296	.....	.....	.....	.....	296
....	Bynum	....	75	.....	.....	.....	.....	75
2	Cabin Creek	101	8,423	257,853	259,454	.....	.....	6,822
16	Cat Creek	88	2,624	14,529	10,241	3,502	144	3,266
1	Clark's Fork	1	237	131	.....	179	.....	189
2	Conrad South	3	663	1,892	1,892	.....	.....	663
1	Cupton	1	1,558	1,021	.....	1,227	.....	1,352
187	Cut Bank	996	95,985	330,370	317,400	3,549	4,093	101,313
2	Deer Creek	3	1,208	3,288	3,185	.....	.....	1,311
1	Delphia	1	258	404	.....	389	.....	273
....	Devil's Basin	....	451	.....	.....	.....	.....	451
1	Dry Creek	1	104	39	.....	.....	.....	143
15	Dwyer	16	5,260	26,458	26,144	.....	.....	5,574
3	Elk Basin	54	1,536	254,706	254,773	.....	.....	1,469
5	Elk Basin Northwest	16	2,875	16,610	17,178	.....	195	2,112
2	Fairview	2	1,561	15,685	.....	16,230	.....	1,016
3	Fertile Prairie	3	1,040	1,695	.....	2,076	.....	659
23	Flat Coulee	29	4,490	19,951	20,337	.....	.....	4,104
31	Flat Lake	48	7,275	110,261	110,585	.....	108	6,843
2	Frannie	2	.....	1,215	1,215	.....	.....	.....
17	Fred & George Creek	39	1,243	112,445	111,493	.....	.....	2,195
1	Gage	1	460	271	.....	389	.....	342
1	Gage Southwest	1	288	271	.....	.....	.....	559
3	Gas City	29	3,482	44,065	33,170	8,502	.....	5,875
9	Glendive	15	5,694	36,720	32,119	7,090	.....	3,205
19	Goose Lake	21	3,804	58,134	58,743	.....	.....	3,195
9	Graben Coulee	22	4,590	18,984	16,871	1,910	.....	4,793
....	Grandview	....	112	.....	.....	.....	.....	112
5	Gypsy Basin	8	5,290	2,067	1,804	.....	3,542	2,011
1	Hibbard	1	248	449	.....	585	.....	112
8	Ivanhoe	13	1,464	13,780	12,868	.....	122	2,254
10	Keg Coulee	26	5,169	31,364	31,120	.....	.....	5,413
2	Keg Coulee North	2	838	2,011	2,271	.....	.....	578
110	Kevin Sunburst	649	17,792	37,739	33,299	4,030	315	17,887
3	Little Beaver	30	1,746	31,847	31,108	340	592	1,553
2	Little Beaver East	14	2,280	21,396	21,691	.....	.....	1,985
2	Lodge Grass	2	745	1,498	.....	1,574	.....	669
3	Lone Tree	3	870	3,635	.....	3,543	100	862
25	Lookout Butte	82	4,573	171,136	171,351	.....	210	4,148
....	Mackay Dome	....	770	.....	.....	.....	.....	770
2	Mason Lake	2	277	1,857	1,778	.....	.....	356
2	Melstone	5	945	2,704	2,651	.....	.....	998
1	Mineral Bench	1	527	2,027	2,016	.....	.....	538
4	Miner's Coulee	4	634	5,999	.....	6,401	.....	232
7	Monarch	12	4,720	14,580	14,289	.....	.....	5,011
4	Mosser	4	.....	891	.....	891	.....	.....
7	Outlook	12	7,252	38,673	40,744	.....	.....	5,181
2	Outlook South	2	1,718	1,943	2,911	.....	.....	750
67	Pennel	115	4,627	167,514	166,781	.....	323	5,037
4	Pine	129	14,062	342,511	342,266	.....	.....	14,307
3	Pole Creek	4	1,855	1,001	.....	957	.....	1,899
71	Pondera	310	7,744	29,456	30,151	.....	54	6,995
5	Poplar East	73	10,468	69,906	70,617	.....	62	9,695
4	Poplar Northwest	5	1,413	1,609	1,521	.....	.....	1,501
2	Prairie Elk	2	1,614	778	.....	1,522	.....	870
4	Ragged Point	13	2,588	10,044	9,687	.....	.....	2,945
3	Ranch Creek	3	795	2,220	.....	1,757	8	1,250
4	Reagan	45	896	16,275	16,196	.....	.....	975
1	Red Creek	27	.....	21,997	21,664	333	.....	.....
1	Redstone	1	477	955	741	.....	.....	691
1	Repeat	1	236	1,630	.....	1,221	.....	645
1	Richey	1	2,231	550	728	.....	.....	2,053
6	Richey Southwest	8	2,742	9,673	.....	9,350	1,691	1,374
4	Sand Creek	6	.....	7,048	7,048	.....	.....	.....
1	Shotgun Creek	1	188	993	.....	847	.....	334
3	Sidney-Brorson	3	1,722	1,692	.....	1,778	.....	1,636
2	Snyder	4	834	962	.....	828	.....	968
5	Soap Creek	9	4,205	4,445	.....	4,153	.....	4,497
2	Spring Lake	2	2,946	6,324	.....	5,474	.....	3,796
2	Stensvad	23	5,211	33,859	33,488	.....	.....	5,582
31	Sumatra	88	10,756	65,368	66,063	.....	.....	10,061
5	Tule Creek	7	2,970	39,397	.....	39,240	.....	3,127
2	Tule Creek East	2	517	26,248	7,012	18,716	.....	1,037
2	Tule Creek South	2	597	6,036	.....	5,477	19	1,137
2	Vida	2	501	2,593	.....	2,258	.....	836
4	Volt	6	2,152	24,970	25,383	.....	.....	1,739
6	Weldon	17	2,927	169,847	171,371	.....	33	1,370
15	Whitlash	42	6,561	21,057	21,344	.....	.....	6,274
1	Whitlash West	1	140	1,000	1,000	.....	.....	140
2	Wills Creek South	2	1,159	7,979	8,027	.....	.....	1,111
9	Wolf Springs	13	5,461	22,774	23,168	.....	247	4,820
3	Woodrow	4	664	3,514	3,486	.....	.....	692
2	Wildcat, Glacier County	2	138	482	.....	451	1	168
1	Wildcat, Liberty County	1	528	186	.....	186	.....	528
1	Wildcat, Richland County	1	609	3,499	.....	2,935	.....	1,173
1	Wildcat, Roosevelt County	1	316	337	.....	397	.....	256
....	Wildcat, Sheridan County	....	317	.....	.....	.....	.....	317
1	Wildcat, Toole County	1	221	1,698	.....	1,632	.....	287
871	Total	3,457	329,074	2,911,854	2,730,357	173,159	11,859	325,553

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1965	32,778,118	89,803	32,787,648	89,829
First Quarter, 1966	8,617,148	95,746	8,589,395	95,437
Second Quarter, 1966	8,949,646	98,347	8,979,056	98,670
July, 1966	3,016,518	97,307	3,010,230	97,104
August, 1966	3,023,617	97,536	3,035,069	97,905
September, 1966	2,911,854	97,061	2,903,516	96,783

Oil in Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil in Storage*
December, 1965	331,221	946,634	498,990	1,776,845
March, 1966	347,070	1,048,199	675,920	2,071,189
June, 1966	346,155	1,132,500	706,521	2,185,176
July, 1966	347,964	1,096,906	641,547	2,086,417
August, 1966	329,074	1,001,018	511,606	1,841,698
September, 1966	325,553	1,033,165	580,952	1,939,670

*Includes Wyoming Oil

TRANSPORTERS MONTHLY REPORT—MONTH OF SEPTEMBER, 1966

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			6,000				6,000		
BANNATYNE—Truck			300			300			
BEAR'S DEN—Truck			1,198					1,198	
BIG WALL—Continental Pipeline Co.		13,486				13,486			
BLACKFOOT—									
Camerland Cardinal Corp.			2,127			2,127			
Union Oil Co.		1,727				1,727			
		1,727	2,127			3,854			
BORDER—Truck			1,615					1,615	
BOWES—Texaco, Inc.		15,268				15,268			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	320,975	858,473	39,063	798,386			1,684,467		332,430
Shell Pipeline Co.	5,578	349,807		335	(548)			348,149	8,119
	326,553	1,208,280	39,063	798,721	(548)		1,684,467	348,149	340,549
CAT CREEK—Continental Pipeline Co.		10,241				10,241			
Truck			3,502			3,502			
		10,241	3,502			13,743			
CLARK'S FORK—Truck			179				179		
CUT BANK—									
Continental Pipeline Co.			14,723	316,277		331,000			
Phillips Petroleum Co.	99,065	68,496		35,853	1,208	99,103			103,103
Producers Pipeline Co.	14,278	40,000						40,000	14,278
Texas Pipeline Co.	31,952	68,663		39,530	998			107,520	31,627
Union Oil Co.	75,593	80,000		20,000		100,000			75,593
Western Oil Trans. Co.	25,457	37,901		123,133	379			163,942	22,170
Western Oil Trans. (Moulton)		102,379			1,024			101,355	
	246,345	397,439	14,723	534,793	3,609	530,103		412,817	246,771
DELPHIA—Truck			389			389			
DWYER—Portal Pipeline Co.		26,639					26,639		
ELK BASIN & ELK BASIN NORTH-WEST—Marathon Pipeline Co.		269,012				269,012			
FAIRVIEW—									
Rock Island Oil Ref. Co.			16,230				16,230		
FLAT COULEE—									
Camerland Cardinal Corp.		19,025						19,025	
FLAT LAKE—Portal Pipeline Co.		110,585					110,585		
FRANNIE—Interstate Pipeline Co.		1,215					1,215		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	18,120	109,565						99,868	27,817
GAGE & GAGE S. W.—Truck			389			389			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,576	44,138			(1,593)			43,911	8,396
GOOSE LAKE—Portal Pipeline Co.		57,361					57,361		
HIBBARD—Truck			585			585			
IVANHOE—Continental Pipeline Co.		12,493				9,686	2,807		
KEG COULEE & KEG COULEE NORTH—Continental Pipeline Co.		31,990				14,602	17,388		
KEVIN SUNBURST—									
Big West Oil Co.	3,679	33,031			(3,709)	37,636			2,783
Homestake Oil & Gas Co.	1,734	3,839		6,352		10,301			1,624
Producers Pipeline Co.			1,500				1,500		
Texas Pipeline Co.	7,125	12,674			953			8,193	10,653
	12,538	49,544	1,500	6,352	(2,756)	47,937	1,500	8,193	15,060
LODGE GRASS—McWood Corp.			1,574			1,574			
LONE TREE—Truck			3,543				3,543		
MASON LAKE—Continental Pipeline Co.		1,778				1,778			
MELSTONE—Continental Pipeline Co.		2,651				2,651			
MOSSER—Truck			891				891		
POLE CREEK—Truck			957				957		
PONDERA—Phillips Petr. Co.	53,476	32,098			(2,321)	52,169			35,726
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT—									
East Poplar Gathering System	8,723	209,053			1,571			192,094†	24,111
RAGGED POINT—									
Continental Pipeline Co.		7,692				689	7,003		
RANCH CREEK—									
Rock Island Oil & Ref. Co.			1,757				1,757		
RED CREEK—									
Western Oil Transporation Co.		21,997			220			21,777	
SHOTGUN CREEK—Truck			847				847		
SIDNEY-BRORSON—McWood Corp.	5,280		1,778	6,900				7,724	6,234
SNYDER—Truck			828			828			
SOAP CREEK—McWood Corp.	4,876		4,153	1,731		6,455			4,305
SPRING LAKE—									
Rock Island Oil & Ref. Co.			5,474				5,474		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	310,498	98,355		373,629	6,828	79,311	19,600	358,801	317,942
TULE CREEK—Tesoro Petr. Corp.	8,033		57,956			59,735			6,254
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		24,304				22,043		2,261	
WOLF SPRINGS—									
Continental Pipeline Co.		17,682				17,682			
WILDCAT WELLS—Truck			5,601				5,601		
TOTALS	1,001,018	2,793,618	173,159	1,722,126	5,010	1,164,269	1,970,044	1,517,433	1,033,165

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1966

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall	.....	.....	.....	13,486	.....	.....	.....	.....	.....	13,486
Blackfoot	.....	2,127	.....	.....	.....	.....	.....	.....	.....	2,127
Bowes	.....	.....	26,957	.....	.....	.....	.....	.....	.....	26,957
Cat Creek	.....	6,195	.....	4,841	.....	6,245	.....	.....	.....	17,281
Cut Bank	39,345	.....	.....	3,000	.....	476	117,070	.....	72,803	232,694
Delphia	.....	.....	.....	.....	.....	433	.....	.....	.....	433
Dry Creek	.....	.....	.....	.....	.....	16	.....	.....	.....	16
Elk Basin	.....	106,365	.....	67,868	94,778	.....	.....	.....	.....	269,011
Gage & Gage S. W.	.....	.....	.....	.....	.....	676	.....	.....	.....	676
Hibbard	.....	.....	.....	.....	.....	504	.....	.....	.....	504
Ivanhoe	.....	.....	.....	194	9,492	.....	.....	.....	.....	9,686
Keg Coulee	.....	2,271	.....	12,331	.....	.....	.....	.....	.....	14,602
Kevin Sunburst	10,301	.....	.....	.....	.....	.....	.....	.....	37,636	47,937
Lodge Grass	.....	1,574	.....	.....	.....	.....	.....	.....	.....	1,574
Mason Lake	.....	1,778	.....	.....	.....	.....	.....	.....	.....	1,778
Melstone	.....	.....	.....	2,651	.....	.....	.....	.....	.....	2,651
Pondera	.....	.....	.....	.....	.....	.....	35,576	.....	.....	35,576
Ragged Point	.....	689	.....	.....	.....	.....	.....	.....	.....	689
Red Creek	.....	.....	.....	.....	21,664	.....	.....	.....	.....	21,664
Sand Creek	.....	.....	.....	.....	.....	726	.....	.....	.....	726
Snyder	.....	828	.....	.....	.....	.....	.....	.....	.....	828
Soap Creek	.....	6,455	.....	.....	.....	.....	.....	.....	.....	6,455
Sumatra & Stensvad	.....	16,653	.....	62,658	10,474	.....	.....	.....	.....	89,785
Tule Creek	.....	.....	.....	.....	.....	.....	.....	59,735	.....	59,735
Whitlash	22,043	.....	.....	.....	.....	.....	.....	.....	.....	22,043
Wolf Springs	.....	.....	.....	.....	18,134	.....	.....	.....	.....	18,134
Total Montana Oil	71,689	144,935	26,957	167,029	154,542	9,076	152,646	59,735	110,439	837,048
Canadian Oil Imported	.....	267,498	.....	.....	.....	.....	.....	.....	.....	267,498
Wyoming Oil Imported	.....	416,886	.....	367,996	906,652	.....	.....	.....	.....	1,691,534
Total Montana, Canadian and Wyoming Oil	71,689	829,319	26,957	535,025	1,061,194	9,076	152,646	59,735	110,439	2,856,080

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1965	32,792	12,751	44,980	90,523
September, 1965	33,028	10,492	55,790	99,310
September, 1966	29,901	8,917	56,384	95,202

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1965	36.22%	14.10%	49.68%
September, 1965	33.25%	10.58%	56.17%
September, 1966	31.40%	9.38%	59.22%